PAT-NO: JP358124132A

DOCUMENT-IDENTIFIER: JP 58124132 A

TITLE: AIRCONDITIONING EQUIPMENT COMBINED WITH HOT WATER SUPPLY DEVICE

PUBN-DATE: July 23, 1983

INVENTOR-INFORMATION:
NAME
HAMA, HIROAKI
IMANISHI, MASAMI
ISHIKAWA, KOJI

ASSIGNEE-INFORMATION:

NAME	COUNTRY
MITSUBISHI ELECTRIC CORP	N/A

APPL-NO: JP57007959

APPL-DATE: January 20, 1982

INT-CL (IPC): F24F005/00, F24F011/02

US-CL-CURRENT: 62/158, 62/160

ABSTRACT:

PURPOSE: To prevent the overloading and abnormal stop of the equipment from occurring by a method wherein the operation of a **heat pump** unit is stopped for a certain period of time in order to lower the temperture of an operating side heat exchanger and, after that, the cooling is put into operation when the equipment is changed-over from the hot water supply to the cooling in the airconditioning equipment combined with the hot water supply device utilizing the **heat pump** unit.

CONSTITUTION: When a hot water supply instruction **switch** is turned OFF during the hot water supply operation and changed-over to the **cooling** operation, the coil of an auxiliary relay for the instruction of hot water supply is deenergized and, as a result, a water circuit is changed-over to a hot water circuit 8 and yet the **heat pump** unit 1 is changed-over to a **cooling** operarion mode as indicated with dach lines with an arrow head and at the same time the operation of a **compressor 11 is stopped** for a period of time set by a relay (not shown) in order to stop the operation of the **heat pump** unit 1 and on the contrary to put a circulating pump into operation. In such a manner as mentioned above, the water in the hot water circuit 8 is circulated to the operating side heat exchanger 13 so as to lower the temperature of the heat exchanger 13. After the elapse of a predetermined period of time, the compressor 11 is put into operation in order to start the cooling operation. Consequently, the overloading and abnormal stop of the equipment at the time, when the hot water supply is changed-over to the cooling, can be prevented.